

### Abstract Of The Disclosure

- A sensor is described for determining a physical property of a gas that is to be measured, especially the pressure, the temperature or the concentration of a gas component in the exhaust gas of internal combustion engines, which has a sensor element supported in a sensor housing whose gas-sensitive sensor section protrudes from the sensor housing, and has a protective tube that surrounds the sensor section. In order to achieve an effective protection of the gas-sensitive sensor section from water drops and solid substances included in the exhaust gas, in conjunction with cost-effective production of the protective tube, protective tube is developed spiral-shaped, yielding a tube wall that is spiral-shaped in cross section.
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